

| [NODIS Library](#) | [Program Management\(8000s\)](#) | [Search](#) |



NASA Procedural Requirements

COMPLIANCE IS MANDATORY

NPR 8715.6A

Effective Date: May
14, 2009

Expiration Date: May
14, 2014

[Printable Format \(PDF\)](#)

Request Notification of Change (NASA Only)

Subject: NASA Procedural Requirements for Limiting Orbital Debris (w/ Change 1 - 5/14/09)

Responsible Office: Office of Safety and Mission Assurance

| [TOC](#) | [Change History](#) | [Preface](#) | [Chapter1](#) | [Chapter2](#) | [Chapter3](#) |
[AppendixA](#) | [AppendixB](#) | [ALL](#) |

Appendix A. Terms and Definitions

Breakup - an explosion or disassembly of the spacecraft or launch vehicle which generates orbital debris.

Conjunction Assessment - an analysis done to predict the closest point of approach of two space objects based on their orbital parameters.

End-of-Mission - the time of completion of all mission activities, experimental operations, and stand-by status, immediately preceding passivation and disposal of the spacecraft or launch vehicle stage.

Orbital debris - any object placed in space by humans that remains in orbit and no longer serves any useful function. Objects range from spacecraft to spent launch vehicle stages to components and also include materials, trash, refuse, fragments, and other objects which are overtly or inadvertently cast off or generated.

Passivation - the process of removing all forms of stored energy from spacecraft, launch vehicle stages, and propulsion units. Passivation includes, but is not limited to, the depletion of all residual propellants, pressurants, electrical storage devices, and forms of kinetic energy to a level where the remaining internal stored energy is insufficient to cause breakup/disassembly. Some sealed batteries and heat pipes need not be depressurized if their potential for explosion is extremely low.

| [TOC](#) | [Change History](#) | [Preface](#) | [Chapter1](#) | [Chapter2](#) | [Chapter3](#) |
[AppendixA](#) | [AppendixB](#) | [ALL](#) |

| [NODIS Library](#) | [Program Management\(8000s\)](#) | [Search](#) |

DISTRIBUTION:
NODIS

This Document Is Uncontrolled When Printed.

Check the NASA Online Directives Information System (NODIS) Library
to Verify that this is the correct version before use: <http://nodis3.gsfc.nasa.gov>
